

## INTERNATIONAL SEARCH REPORT

PCT/GB2004/001300

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 F16C11/06

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 F16C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 198 12 627 A (BAYERISCHE MOTOREN WERKE AG) 30 September 1999 (1999-09-30) figure 2 -----	1-9
X	GB 1 005 682 A (AUTOMOTIVE PROD CO LTD) 29 September 1965 (1965-09-29) figure 3 -----	1-9
X	DE 39 24 003 A (MUSASHI SEIMITSU KOGYO KK) 22 November 1990 (1990-11-22) figure 1 -----	1-3,5, 7-9
X	EP 1 114 938 A (MINEBEA KK) 11 July 2001 (2001-07-11) figure 1 -----	1-6,8,9



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

## \* Special categories of cited documents :

- \*'A' document defining the general state of the art which is not considered to be of particular relevance
- \*'E' earlier document but published on or after the international filing date
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- \*'O' document referring to an oral disclosure, use, exhibition or other means
- \*'P' document published prior to the international filing date but later than the priority date claimed

\*'T' later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*'X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*'Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*'&' document member of the same patent family

Date of the actual completion of the international search

24 June 2004

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Name and mailing address of the ISA  
European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl  
Fax: (+31-70) 340-3016

Authorized officer

Haukonen, K

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Patent document cited in search report		Publication date		Patent family member(s)		Publication date
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GB 1005682	A	29-09-1965	FR	1390714 A		26-02-1965
DE 3924003	A	22-11-1990	JP	2304210 A		18-12-1990
			DE	3924003 A1		22-11-1990
			GB	2231914 A		28-11-1990
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			EP	1114938 A1		11-07-2001
			SG	88787 A1		21-05-2002
			US	6325544 B1		04-12-2001